

FEB 2 7 2002

TECH CENTER 1600/2900 \634

#11/200

RAW SEQUENCE LISTINGPATENT APPLICATION: US/09/662,128A

DATE: 01/04/2002

TIME: 14:47:49

Input Set : A:\197330USO.ST25.txt

Output Set: N:\CRF3\01042002\1662128A.raw

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	6	<12						N: M	ODIF	IED	CRE	RECO	MBIN	ASE	GENE	FOR	MAMMALS	
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				EQUE:			TION	. Бе	SCLL	рсто	11 01	AIL	IIIC.	ıaı .	sequi	ence	: synchet	.rc dna
							agg	aag	gtg	agc	aac	ctq	ctq	acc	ata	cac	caq	48
	37	Met								Ser								
	38					5					10					15		
	40	aac	ctg	CCC	gcc	ctg	CCC	gtg	gac	gcc	acc	agc	gac	gag	gtg	cgc	aag	96
	42	ASII	Leu	Pro	A1a 20	Leu	Pro	vaı	Asp	Ala 25	Thr	ser	Asp	Glu	vа 30	Arg	Lys	
		aac	cta	ato		ato	ttc	cac	gac	cgc	caσ	acc	ttc	aαc		cac	acc	144
	45	Asn	Leu	Met	Asp	Met	Phe	Arg	Asp	Arg	Gln	Ala	Phe	Ser	Glu	His	Thr	
	46			35					40					45				
										cgc								192
	50	тгр	ьуs	мет	Leu	ьeu	ser	va 1 55	Cys	Arg	Ser	Trp	Ala 60	Ala	Trp	Cys	Lys	
		cta		aac	cac	aaσ	t.aa		ccc	gcc	σασ	ccc		gac	ata	cac	gac	240
										Ala								210
	54	65					70					75				_	80	
										ggc								288
	5 / 58		Leu	Leu		Leu 85	GIn	Ala	Arg	Gly		Ala	Val	Lys	Thr		Gln	
			cac	cta			cta	aac	ato	ctg	90 cac	cac	cac	age	aac	95 cta	000	336
	61	Gln	His	Leu	Gly	Gln	Leu	Asn	Met	Leu	His	Ara	Arg	Ser	Glv	Leu	Pro	330
	62				100					105					110			
	64	cgc	CCC	agc	gac	agc	aac	gcc	gtg	agc	ctg	gtg	atg	cgc	cgc	atc	cgc	384
	65	Arg	Pro		Asp	Ser	Asn	Ala		Ser	Leu	Val	Met		Arg	Ile	Arg	
	66 68	aan	a a c	115	ata	43. C	aac	aac	120	000	~~~	225	aa.c	125	at a	~~~	++-	422
	50	aay	yay	aac	gug	yac	gcc	gge	gag	cgc	gee	aag	cag	ycc	cig	gcc	LEG	432

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69 Lys Glu Asn Val Asp Ala Gly Glu Arg Ala Lys Gln Al 70 130 135 140	a Leu Ala Phe									
72 gag cgc acc gac ttc gac cag gtg cgc agc ctg atg ga										
73 Glu Arg Thr Asp Phe Asp Gln Val Arg Ser Leu Met Gl										
74 145 150 155	160									
76 cgc tgc cag gac atc cgc aac ctg gcc ttc ctg ggc at 77 Arg Cys Gln Asp Ile Arg Asn Leu Ala Phe Leu Gly Il	c gcc tac aac 528									
78 165 170	175									
80 acc ctg ctg cgc atc gcc gag atc gcc cgc atc cgc gt										
81 Thr Leu Leu Arg Ile Ala Glu Ile Ala Arg Ile Arg Va	J J J									
82 180 185	190									
84 agc cgc acc gac ggc ggc cgc atg ctg atc cac atc gg	c cgc acc aag 624									
85 Ser Arg Thr Asp Gly Gly Arg Met Leu Ile His Ile Gl										
86 195 200 20										
88 acc ctg gtg agc acc gcc ggc gtg gag aag gcc ctg ag										
89 Thr Leu Val Ser Thr Ala Gly Val Glu Lys Ala Leu Se	r Leu Gly Val									
90 210 220 92 acc aag ctg gtg gag cgc tgg atc agc gtg agc ggc gt	g gcc gac gac 720									
93 Thr Lys Leu Val Glu Arg Trp Ile Ser Val Ser Gly Va	3 3 -									
94 225 230 235	240									
96 ccc aac aac tac ctg ttc tgc cgc gtg cgc aag aac gg	c gtg gcc gcc 768									
97 Pro Asn Asn Tyr Leu Phe Cys Arg Val Arg Lys Asn Gl										
98 245 250	255									
100 ccc age gec acc age cag etg age acc egg gec etg g										
101 Pro Ser Ala Thr Ser Gln Leu Ser Thr Arg Ala Leu G										
102 260 265	270									
104 gag gcc acc cac cgc ctg atc tac ggc gcc aag gac g										
105 Glu Ala Thr His Arg Leu Ile Tyr Gly Ala Lys Asp A	sp ser dly din 85									
106 275 280 2 108 cgc tac ctg gcc tgg agc ggc cac agc gcc cgc gtg g										
100 ege tae etg gee tgg age gge eae age gee ege geg g 109 Arg Tyr Leu Ala Trp Ser Gly His Ser Ala Arg Val G	, , , ,									
110 290 295 300										
112 gac atg gcc cgc gcc ggc gtg agc atc ccc gag atc a	tg cag gcc ggc · 960									
113 Asp Met Ala Arg Ala Gly Val Ser Ile Pro Glu Ile M										
114 305 310 315	320									
116 ggc tgg acc aac gtg aac atc gtg atg aac tac atc c										
117 Gly Trp Thr Asn Val Asn Ile Val Met Asn Tyr Ile A										
118 325 330	335									
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121 Ser Glu Thr Gly Ala Met Val Arg Leu Leu Glu Asp G 122 340 345	350									
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133 <223> OTHER INFORMATION: Description of Artificia	i sequence: synthetic peptide									

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137 Met Pro Lys Lys Lys Arg Lys Val Ser Asn Leu Leu Thr Val His Gln
141 Asn Leu Pro Ala Leu Pro Val Asp Ala Thr Ser Asp Glu Val Arg Lys
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145 Asn Leu Met Asp Met Phe Arg Asp Arg Gln Ala Phe Ser Glu His Thr
146 35
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149 Trp Lys Met Leu Leu Ser Val Cys Arg Ser Trp Ala Ala Trp Cys Lys
                          55
153 Leu Asn Asn Arg Lys Trp Phe Pro Ala Glu Pro Glu Asp Val Arg Asp
157 Tyr Leu Leu Tyr Leu Gln Ala Arg Gly Leu Ala Val Lys Thr Ile Gln
161 Gln His Leu Gly Gln Leu Asn Met Leu His Arg Arg Ser Gly Leu Pro
             100
                                  105
165 Arg Pro Ser Asp Ser Asn Ala Val Ser Leu Val Met Arg Arg Ile Arg
                              120
169 Lys Glu Asn Val Asp Ala Gly Glu Arg Ala Lys Gln Ala Leu Ala Phe
                          135
170 130
173 Glu Arg Thr Asp Phe Asp Gln Val Arg Ser Leu Met Glu Asn Ser Asp
                                          155
174 145 150
177 Arg Cys Gln Asp Ile Arg Asn Leu Ala Phe Leu Gly Ile Ala Tyr Asn
                                      170
                  165
181 Thr Leu Leu Arg Ile Ala Glu Ile Ala Arg Ile Arg Val Lys Asp Ile
                                  185
              180
185 Ser Arg Thr Asp Gly Gly Arg Met Leu Ile His Ile Gly Arg Thr Lys
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189 Thr Leu Val Ser Thr Ala Gly Val Glu Lys Ala Leu Ser Leu Gly Val
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193 Thr Lys Leu Val Glu Arg Trp Ile Ser Val Ser Gly Val Ala Asp Asp
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197 Pro Asn Asn Tyr Leu Phe Cys Arg Val Arg Lys Asn Gly Val Ala Ala
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201 Pro Ser Ala Thr Ser Gln Leu Ser Thr Arg Ala Leu Glu Gly Ile Phe
              260
                                  265
205 Glu Ala Thr His Arg Leu Ile Tyr Gly Ala Lys Asp Asp Ser Gly Gln
206 275
                              280
209 Arg Tyr Leu Ala Trp Ser Gly His Ser Ala Arg Val Gly Ala Ala Arg
                           295
213 Asp Met Ala Arg Ala Gly Val Ser Ile Pro Glu Ile Met Gln Ala Gly
                                          315
                       310
217 Gly Trp Thr Asn Val Asn Ile Val Met Asn Tyr Ile Arg Asn Leu Asp
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VERIFICATION SUMMARY

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